

## ABSTRACT

De novo synthesized plasmid, methods of making and use thereof

The invention relates to a de novo synthesized plasmid. The plasmid comprises relevant sequences for plasmid replication and plasmid selection. The methods of making and use of the plasmid are disclosed. The plasmid can be used to make other plasmids. These plasmids and their host cells can be used for biomedical applications.

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